



Conference Agenda and Registration

The California Air Pollution Control Officer's Association

FREE* TECHNICAL CONFERENCE ON:

Diesel Emissions Reduction for Public Agency & Utility Fleets



Monday, August 15, 2005

Pre-Sessions, Reception and Exhibition

Tuesday, August 16, 2005

Technical Sessions and Exhibition

Sacramento Convention Center

1400 J Street, Sacramento, CA 95814

Join government policy makers, vendors, engine and aftertreatment device installers and manufacturers, and fleet managers in robust and informative discussions of proposed CARB public fleet regulations, available pollution control options, and the use of new lower-polluting technologies.



REGISTER NOW! *Registration free on or before July 22, 2005, after which a \$100 fee will apply.

Diesel Emissions Reduction for Public Agencies

The California Air Pollution Control Officer's Association (CAPCOA) invites you to a conference on the upcoming California Air Resources Board proposed control measure, "On-Road Heavy-Duty Diesel Vehicles Owned or Operated by Public Agencies and Utilities." The goal of the workshop is to provide an overview of the proposed CARB public fleet regulation, available control options, and the use of new lower-polluting technologies for heavy-duty diesel vehicles owned and operated by public agencies and utilities. This conference will identify tools and resources that will assist fleet managers in complying with the proposed control measure.

We have assembled representatives from major engine and aftertreatment control device installers and manufacturers, fuel suppliers, government agencies, and fleet managers to discuss the proposed control measure along with overviews of ways to comply with the proposed measure.

Conference Benefits

At the conference, you will hear:

- CARB staff explain how the proposed control measure affects your facility and steps you can take to comply with the measure.
- Government policy makers discuss potential funding sources and how to apply for funding assistance.
- Vendors, engine and aftertreatment device installers, and manufacturers explain in classroom and conference settings the issues and concerns of fuel change-over, and engine re-power and retrofit.
- Fleet managers present their personal experiences with new emission control technologies.
- Question-and-answer sessions with policy makers, and engine and aftertreatment manufacturers, rebuilders, and installers.

Who Should Attend

This conference will be valuable to:

- County/city fleet managers
- Municipality and utility vehicle managers
- Government agency and environmental staff
- Aftertreatment device vendors, installers, and manufacturers
- Engine manufacturers
- Fuel producers

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Monday, August 15, 2005

1:00 – 1:50 WARM-UP SESSION 1 – Fuel 101

This short course is designed by fuel producers for fleet managers on fuel-related issues such as infrastructure, storage and handling, compatibility, solvency, and stability, availability, cost, and emission benefits.

- ▶ Gas – Mike Eaves, California NGV Coalition
- ▶ Low-Sulfur Diesel Fuel – Ken Kimura, WSPA
- ▶ Emulsified – Ed Richards, Lubrizol
- ▶ Biodiesel – Randall Von-Wedel, Cyto Culture, International

1:50 – 2:20 Break

2:20 – 3:40 WARM-UP SESSION 2 – Repower 101

This classroom introductory course is designed by original engine manufacturers and installers for fleet managers on the process of repowering a vehicle.

- ▶ Diesel Engine Selection – Jeff Jacobs, Caterpillar
- ▶ Gas Engine Selection – Dwight Hanson, Cummins Westport
- ▶ Engine Compartment and Cooling System – Don Allison, Complete Coach Works
- ▶ Cooling System & Maintenance – Paul Schaeffer, BAF Technologies
- ▶ Transmission Matching and Cost – Don Allison

3:40 – 4:10 Break

4:10 – 5:30 WARM-UP SESSION 3 – Retrofit 101

This is a short course designed by manufacturers and installers of aftertreatment devices for fleet managers addressing the how and what of retrofitting an engine with any verified aftertreatment device for PM diesel emissions.

- ▶ Joe Kubsh, Manufacturers of Emission Controls Assoc.
- ▶ Retrofit application engineering – Julian Imes, Donaldson
- ▶ Installation practices – Kevin Brown, Engine Control System
- ▶ Maintenance – Tim Taylor, Cleaire
- ▶ On-vehicle monitors – Marty Lassen, Johnson Matthey

5:30 Exhibition Opens

6:00 – 8:00 Reception

9:00 Exhibition Closes

Agency & Utility Fleets ▶ August 15-16, 2005

Tuesday, August 16, 2005

A continental breakfast will be served at 7:30 a.m. in Exhibit room E. Conference begins 8:30 a.m.

8:30 OPENING REMARKS AND PURPOSE OF WORKSHOP

Harry Krug, President, CAPCOA

8:40 SESSION 1 – Proposed CARB Control Measure

The proposed CARB control measure will be presented with an overview of how to comply with the proposed measures, including the state of CARB retrofit verification program, and health effects.

- ▶ Sharon Lemieux, CARB, Public and Utilities Fleet Rule
- ▶ Shawn Daley, CARB, Retrofit Verification Program
- ▶ Q&A

9:20 SESSION 2 – Engine Replacement

This session will focus on engine replacement and repowering as a method of complying with the proposed CARB control measures.

- ▶ **Speaker** – Chris Weaver, Engine, Fuel & Emissions Engineering, Inc.
- ▶ Panel Discussion / Q&A
 - Don Allison, Complete Coach Works
 - Cliff Cotton, Caterpillar, Inc.
 - Dwight Hanson, Cummins Westport
 - Paul Schaeffer, BAF Technologies

10:20 Exhibit / Break

10:50 SESSION 3 – Verified Retrofit Control Device

A variety of control technologies will be described that have been verified by CARB as retrofit devices for complying with the proposed CARB control measures, including description of life, capital, operational, and maintenance costs of each device. Additionally, panelists will focus on a variety of retrofit and maintenance services for complying with the CARB control measures.

- ▶ **Speaker** – Joe Kubsh, Manufacturers of Emission Controls Assoc.
- ▶ Panel Discussion / Q&A
 - Kevin Brown, Engine Control Systems
 - Julian Imes, Donaldson
 - Marty Lassen, Johnson Matthey
 - Tim Taylor, Cleaire

12:00 Luncheon Keynote Speaker

Mike Jackson, Tiax LLC, Director of Transportation Technology
“Reducing Fleet Emissions – Navigating Through the Technological Options”

1:30 SESSION 4 – Fuel

This session will focus on fuel as a means of complying with the proposed CARB control measures.

- ▶ **Speaker** – Dean Simeroth, CARB
- ▶ Panel Discussion / Q&A
 - Sam Altshuler, PG&E
 - Ron Dunsee, Lubrizol
 - David Smith, Western States Petroleum Association
 - Ed Harte, Southern California Gas Company
 - Ken Kimura, BP
 - Scott Hughes, National Biodiesel Board

2:15 SESSION 5 – Funding Opportunities

Representatives from local, state and federal governments will discuss funding sources, grants, incentive programs, and other financing programs available for fleet managers for complying with the proposed control measures. This will be followed by an open question-and-answer session with the audience.

- ▶ **Moderator** – Barry Wallerstein, Executive Officer
South Coast Air Quality Management District
- ▶ Panel Discussion / Q&A
 - Jack Kitowski, CARB
 - Fred Minassian, SCAQMD
 - Michelle Ross, U.S. EPA Region IX

2:55 Exhibit / Break

3:25 SESSION 6 – End-User Experiences

This session includes fleet managers discussing their experiences with utilizing engines and after-market devices that satisfy the requirements of the proposed control measures. This will be followed by questions from the moderator, and an open question-and-answer session from the audience.

- ▶ **Moderator** – Jack Broadbent, Executive Officer
Bay Area Air Quality Management District
- ▶ Panel Discussion / Q&A
 - Sam Armentrout, Fleet Manager Fresno County
 - Jon Merian, City of Santa Rosa
 - Dennis Gage, Placer County

4:05 SESSION 7 – Panel Discussion / Q&A

Representatives from major engine and aftertreatment control device installers and manufacturers, fuel suppliers, government agencies, and fleet managers will present remarks regarding proposed control measures, available control options, and the use of new low-polluting technologies for heavy-duty diesel engines.

- ▶ **Moderator** – Barbara Lee, Air Pollution Control Officer
Northern Sonoma County Air Pollution Control District
- ▶ Panel Discussion / Q&A
 - Tim Carmichael, Coalition for Clean Air
 - Robert Cross, California Air Resources Board
 - Joe Kubsh, Manufacturers of Emission Controls Assoc.
 - Peter Rei, Department of Public Works, Tuolumne County
 - Nick Burrie, Riverside Transit Authority

4:55 Closing Remarks and Conclusion of Workshop

Larry Greene, Past President, CAPCOA

5:00 Adjourn



REGISTRATION FORM

Space is limited. Please register in advance.

Please register me for the Conference, Monday and Tuesday, August 15-16, 2005. I would also like to attend the Session(s) on Monday, August 15, 2005 that I have marked below:

- ☐ Session 1 – Fuel 101: 1:00 p.m. – 1:50 p.m.
- ☐ Session 2 – Repower 101: 2:20 p.m. – 3:40 p.m.
- ☐ Session 3 – Retrofit 101: 4:10 p.m. – 5:30 p.m.
- ☐ Reception: 6 p.m. – 8 p.m.

Name

Title

Company/Organization

Address

City/State/Zip

Phone

Fax

E-mail

Registration Fee:

Free on or before July 22, 2005,
\$100 after July 22, 2005


Make checks payable to:
"CAPCOA"

Fax/Mail Registration Form and Check to:

Stew Wilson
CAPCOA
3232 Western Drive
Cameron Park, CA 95682
Fax: 530-676-0325

Co-Sponsors:

California Environmental Protection Agency

 Air Resources Board



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Forwarding Service Requested

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